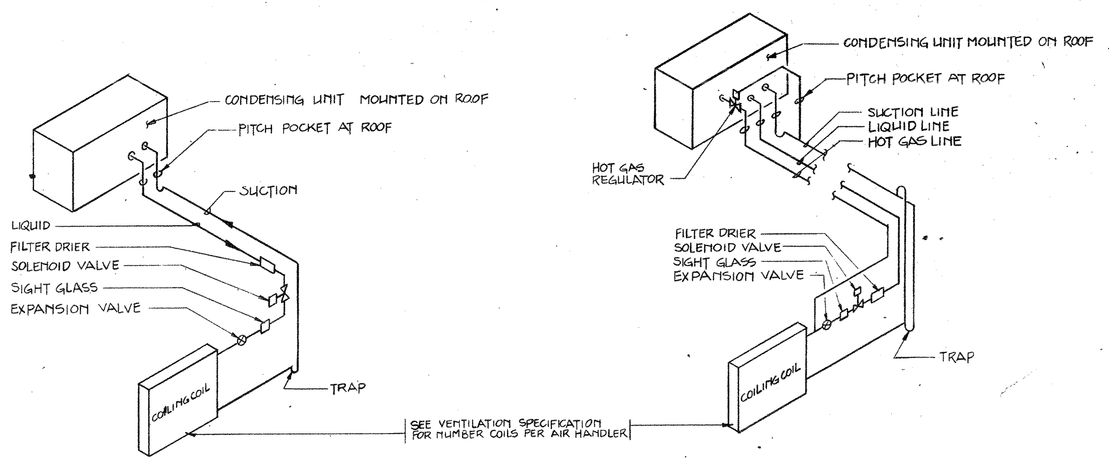
SYMBOL LIST

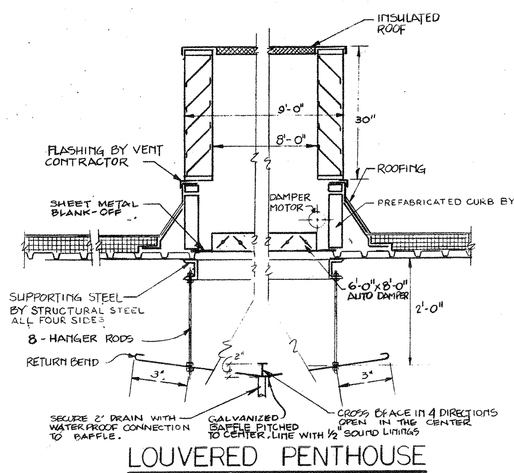
- EXHAUST OR RETURN AIR DUCT
- SUPPLY DUCT
- FLEXIBLE CONNECTION
- TURNING VANES IN ELBOW
- SUPPLY REGISTER OR GRILLE AS NOTED.
- RETURN REGISTER OR GRILLE AS NOTED.
- SPLITTER DAMPER
- ROUND CEILING OUTLET
- SQUARE CEILING OUTLET
- (H) HUMIDISTAT
- (T) THERMOSTAT
- BALANCING COCK — GAS COCK
- UNDER CUT DOOR
- SEWER VITRIFIED TILE
- SS SUSPENDED C.I. STORM SEWER
- S SUSPENDED C.I. SANITARY SEWER
- SEWER - CAST IRON
- SPRINKLER HEAD - PENDENT
- SPRINKLER HEAD - UP RIGHT
- DIRECTION OF FLOW
- 90° ELL TURNED DOWN
- 90° ELL TURNED UP
- REC REDUCER INSTALLED WITH FLAT SIDE DOWN.
- REC REDUCER INSTALLED WITH FLAT SIDE UP.
- CONCENTRIC REDUCER
- UNION
- STRAINER
- ANCHOR
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RETURN
- PIPE PITCHES DOWN IN FLOW DIRECTION
- G GAS
- V VENT
- GATE VALVE
- GATE VALVE IN VERTICAL PIPE
- THERMOMETER
- PRESSURE GAUGE
- CHECK VALVE
- GLOBE VALVE
- GLOBE VALVE IN VERTICAL PIPE
- AUTOMATIC VALVE OR GAS PRESSURE REGULATOR
- RELIEF VALVE
- AUTOMATIC 3-WAY VALVE
- PRESSURE REDUCING VALVE

ABBREVIATIONS

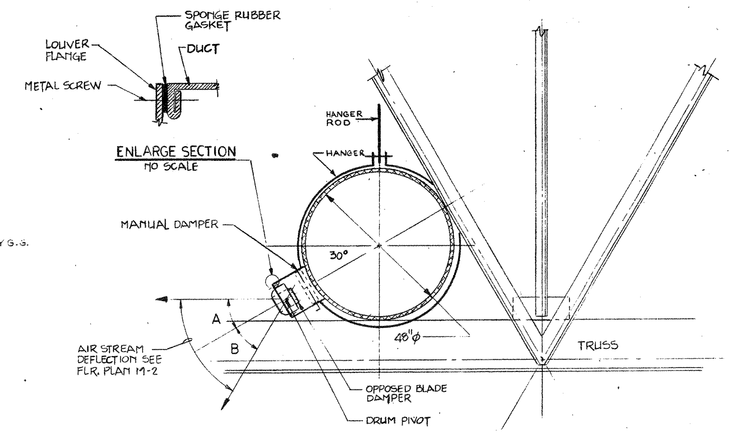
ACD	ACCESS DOOR	LL	LIQUID LINE
AD	AUTOMATIC DAMPER OR AREA DRAIN	MAV	MANUAL AIR VENT
AFF	ABOVE FINISHED FLOOR	MD	MANUAL DAMPER
BI	BLACK IRON	MH	MANHOLE
BO	BLANK OFF	MR	MOP RECEPTOR
C	DOMESTIC COLD WATER	NFSC	NON FREEZE SILL COCK
CA	COMPRESSED AIR	NIC	NOT IN CONTRACT
CD	CONDENSATE DRAIN	NK	NECK
CHWR	CHILLED WATER RETURN	PFE	PORTABLE FIRE EXTINGUISHER
CHWS	CHILLED WATER SUPPLY	PP	PATCH PLATE
CI	CAST IRON	PS	PLUMBING STACK
CHR	CONDENSER RETURN	PVCT	PERFORATED VITRIFIED CLAY TILE
CO	CLEANOUT	R	DOMESTIC HOT WATER RETURN
CWR	CONDENSER WATER RETURN	RA	RETURN AIR
CWS	CONDENSER WATER SUPPLY	RAD	RADIATION
D	DRYER	RCP	REINFORCED CONCRETE PIPE
DG	DOOR GRILLE	RD	ROOF DRAIN
DS	DOWNSPOUT	REG	REGISTER
DW	DRAIN VALVE	ROB	ROD OUT BASIN
DW	DISHWASHER	S	SANITARY OR SOIL
EWC	ELECTRIC WATER COOLER	SD	SPLITTER DAMPER
EXT'T	EXTRA HEAVY VITRIFIED CLAY TILE	SH	SHOWER
FA	FRESH AIR	SL	SUCTION LINE
FCO	FLOOR CLEANOUT	SP	STAND PIPE
FD	FLOOR DRAIN OR FIRE DAMPER	SS	SERVICE SINK
FHG	FURNISHED BY OTHERS	STM	STEAM
FOB	FLAT ON BOTTOM	TC	TEMPERATURE CONTROL
FOT	FLAT ON TOP	UR	URINAL
G	GAS	V	VENT
GA	GAUGE	VTR	VENT THRU ROOF
GBD	GRAVITY BACK DRAFT DAMPER	W	WASTE
GC	GENERAL CONTRACTOR	WC	WATER CLOSET
GR	GRILLE	WCO	WALL CLEANOUT
H	DOMESTIC HOT WATER	WM	WASHING MACHINE
HD	HUB OR FUNNEL DRAIN		
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
IE	INVERT ELEVATION		
KS	KITCHEN SINK		
L	LAVATORY		
LT	LAUNDRY TRAY		



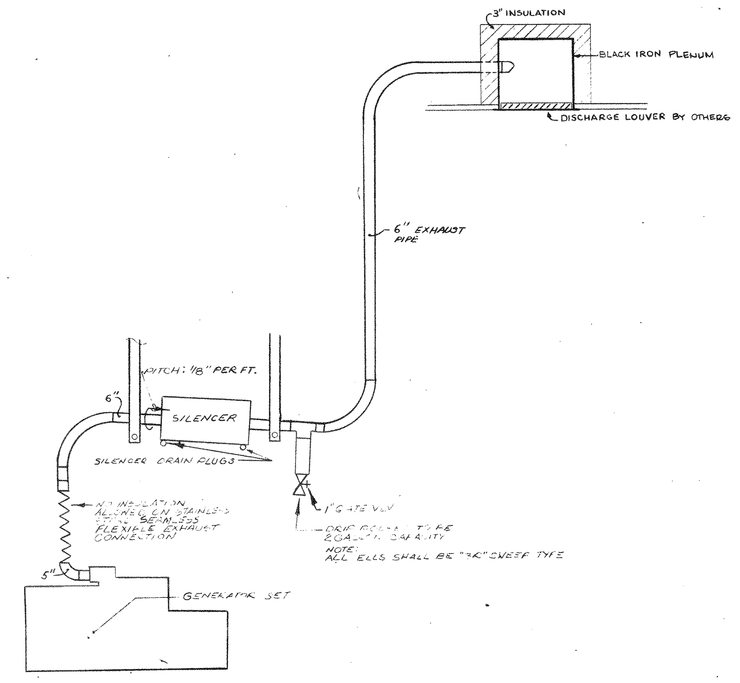
REFRIGERANT PIPING DIAGRAMS
NO SCALE



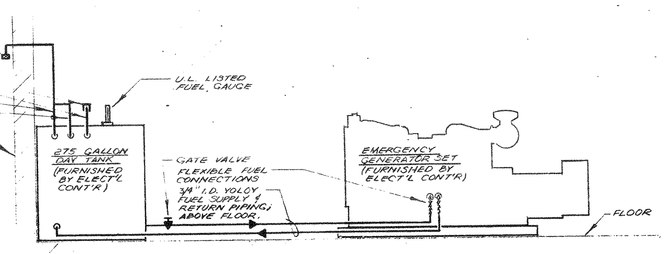
LOUVERED PENTHOUSE
SCALE: 3/4" = 1'-0"



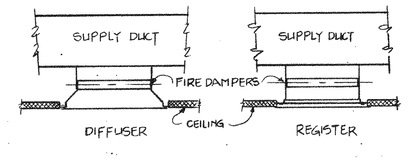
SECTION A/M-2
SCALE: 1/2" = 1'-0"



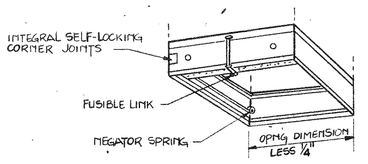
EMERGENCY GENERATOR EXHAUST SYSTEM
NO SCALE



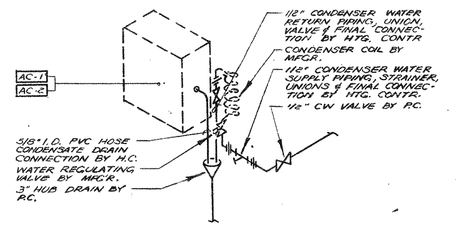
FUEL PIPING DIAGRAM
NO SCALE



FIRE DAMPER SHALL BE AIR BALANCE, U.L. APPROVED 4 HOUR FIRE DAMPER MODEL 219D WITH 165ϕ U.L. APPROVED FUSIBLE LINK. FIRE DAMPER SHALL BE FURNISHED AND INSTALLED BY VENT SECTION ON ALL DIFFUSERS, GRILLES AND REGISTERS IN ALL CEILINGS. FIRE DAMPERS SHALL ALSO BE INSTALLED IN ALL DUCTS PASSING THRU CEILINGS AND NON-DUCTED DIFFUSERS.



FIRE DAMPER DETAIL
NO SCALE



AC-1 & 2 PIPING DIAGRAM
NO SCALE

REVISIONS

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DATE	01-02-80
APPROVED	
CHECKED	N.M.
DRAWN	FE/RH

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MECHANICAL DETAILS

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